

TWO STAGE ISOLATION MOUNT ASSEMBLY

ABSTRACT OF THE DISCLOSURE

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A mount assembly having a support structure mounted to a frame of a vehicle and a carrier mounted to a vehicle body. The support structure is displaceable relative to the carrier along a line of travel. An insulator is disposed between the support structure and the carrier for coupling the carrier to the support structure. The insulator has a first portion
10 defining a first resistance for isolating the vibrations of the support structure during an application of a first force along a line of travel. The insulator also has a second portion defining a second resistance with the second resistance being greater than the first resistance for controlling the maximum displacement of the support structure after the application of the first force and during an application of a second force along the line of travel wherein
15 the second force is greater than the first force. The insulator also provides for tunability of the nature and location of the transition between the first resistance and the second resistance.